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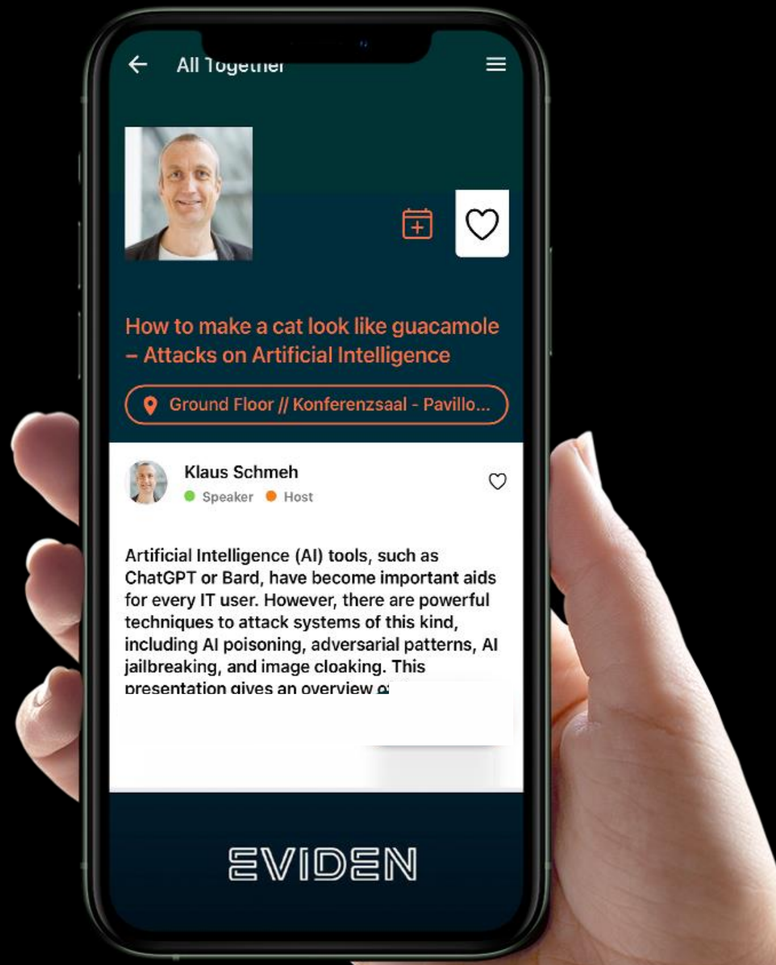
2025 10–11 SEP

CYBERSECURITY LEADERSHIP FORUM

Securing Identity for our Digital Future

MINDSHARE AGENDA

GET APP



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Securing Identity for our Digital Future

EVIDEN Trustway

Corentin Cordier

Product Manager HSM/KMS

Navigating the balance between technological needs and regulatory constraints in the cloud

a case study

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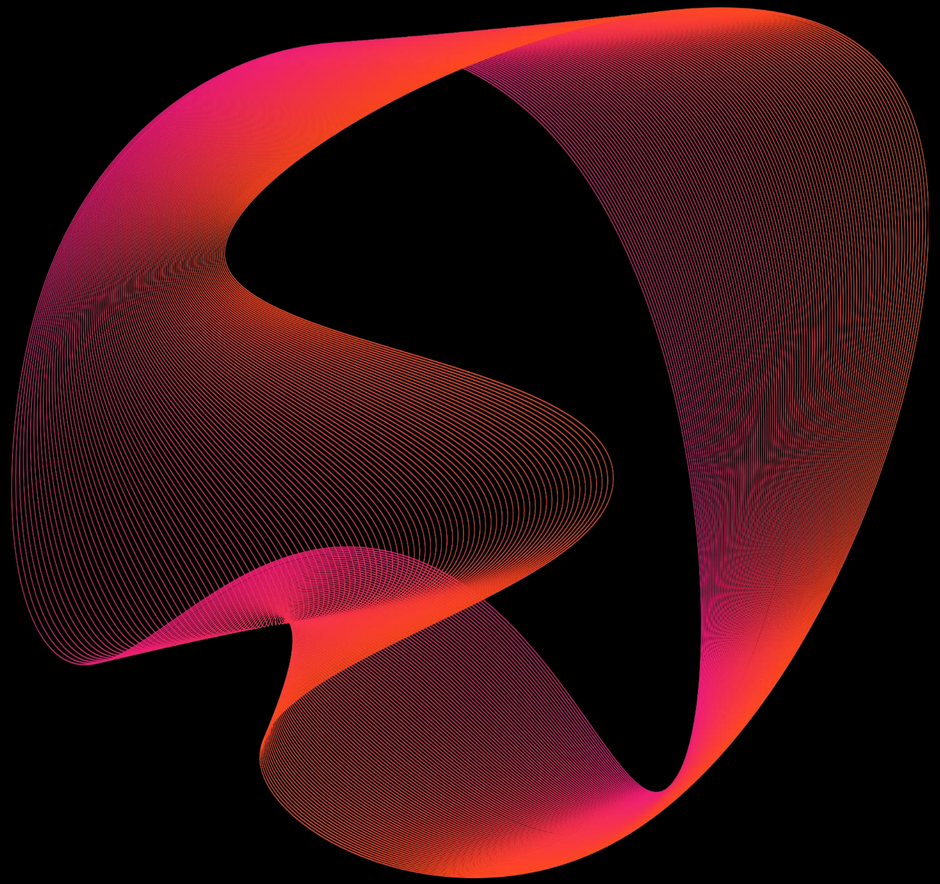
Customer challenges

A leading bank and insurance company



- **Initial Need for SaaS**: The client initially requested a SaaS-based Key Management System, influenced by market trends and a competing SaaS offer.
- **Multi-Site Constraints**: The client operates across several international sites, each with unique compliance, latency, and integration requirements.
- **Cloud Complexity**: With existing services spread across GCP, Azure, AWS, and Salesforce, the KMS needed to seamlessly integrate into a multi-cloud environment.
- **Data Sovereignty & Control**: A critical concern was the need for full control over encryption keys and compliance with local data regulations.

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Customer requirements

1. **Sensitive data security and compliance:**
   They want to strengthen the protection of their critical information by integrating a digital vault solution with key management (HSM/KMS), which complies with regulations.

2. **Interoperability and integration:**
   The solution will have to integrate with existing infrastructures, in particular the PKI, while ensuring compatibility with the cloud environments used (GCP, Azure, AWS, Sales Force).

3. **Flexibility and scalability:**
   The successful bid should allow for centralized and automated key management, while ensuring scalability and adaptation to future business needs.

4. **Demanding selection criteria:**
   The offer will be evaluated on the technical robustness, the quality of the support, the expertise of the service provider and compliance with cybersecurity and resilience requirements.

HSM Trustway Proteccio™

Certified cryptography to meet the highest sovereignty needs

ANSSI QR

CC EAL4+

SECRET OTAN

eIDAS

RESTREINT UE

- High level of security: high level of certification
- Simple and intuitive management
- 8 Virtual HSMs: Cryptographic Partitioning
- 100% French cryptography
- PQC-Ready
- Available in SaaS mode or On-Premise

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Next-generation Key Management System.

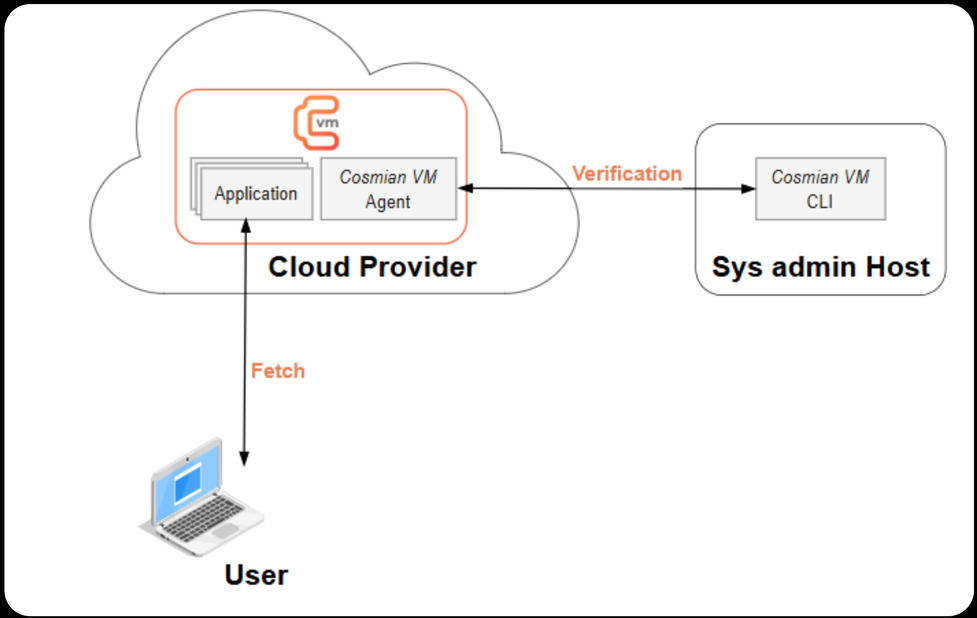
Scalability and performance for application encryption

A high-performance KMS that's ready to be hosted in the public cloud.

- Key and certificate management
- Access to public key infrastructure
- Modern Encryption Library Integration
- High interoperability

Confidential Computing

How does it work ?



- Runs workloads inside a **Trusted Execution Environment (TEE)** a secure, isolated region of memory on the CPU.
- **Data in use is encrypted** (memory & processing), complementing encryption at rest (storage) and in transit (network).
- **Hardware-based isolation** ensures even system admins, cloud providers, or attackers with root access cannot see inside the TEE.
- **Remote attestation** allows users to verify that the correct hardware, OS, and applications are running before trust is established.
- Applications run **unchanged,** no code modifications required to benefit from confidentiality.

Cosmian Key management system kms

Seamless integration
There is no need to inject cryptographic libraries into users' applications, reducing the effort to change the code.

Unified management
Easily manage multiple identity operators, enabling encryption/decryption in various applications and use cases within a single software solution.

Increased key security
Keys remain in the KMS, eliminating the risk of losing keys if a device is stolen.

Open Source
Ensuring full transparency

Improved reliability
KMS developed in Rust, 70% fewer bugs and increased robustness.

High scalability and flexible architecture
Easily manage fluctuations in encryption and decryption workload with horizontal and vertical scalability. The KMS can be deployed as a single instance or as multiple instances.

Superior interoperability
Compliant with industry standards such as KMIP 2.1, PKCS11 support, API ready, compatible with many operating systems (Linux, macOS, Windows) and with Docker containerization.

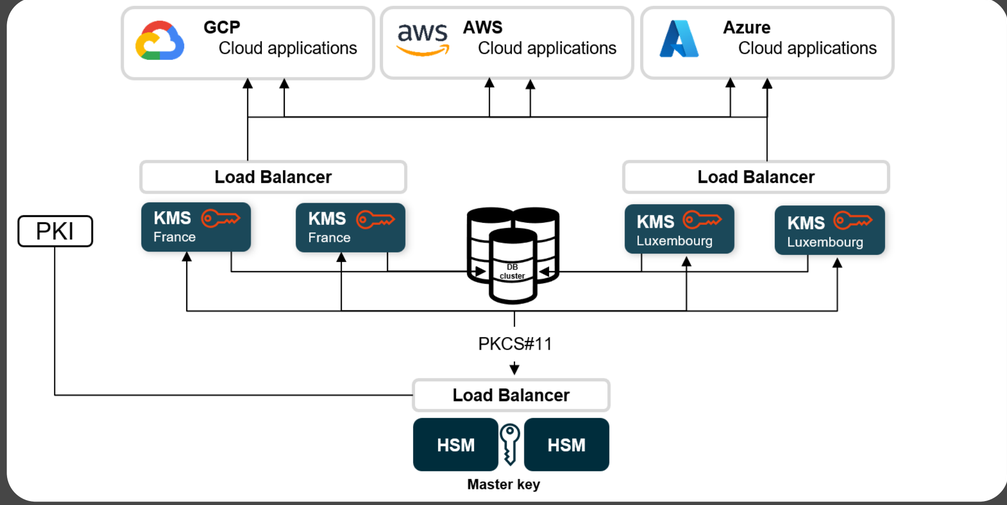
Pay as you Go
A pay-as-you-go model that provides cost efficiency by aligning expenses directly with CPU usage.

Trustway Proteccio™ HSM

General purpose HSM

Summary of strengths and added value of the offer

1. 100% sovereign technology
2. High-level security
3. Control and independence
4. Scalability and flexibility
5. Expert support and strong commitment



Cosmian
Key management system
kms

+

Trustway Proteccio™ HSM
General purpose HSM

Our engagment

Sovereign, Scalable and Resilient
Meets security and compliance requirements

Key Benefits:

- ✅ **Optimal Protection: Secure HSM anchoring for key and secret protection**
- ✅ **Automated Management: Scalable KMS for flexibility in key management**
- ✅ Strict Compliance: Full compliance with security standards
- ✅ **Strategic Alignment: Support for France's digital sovereignty objectives**

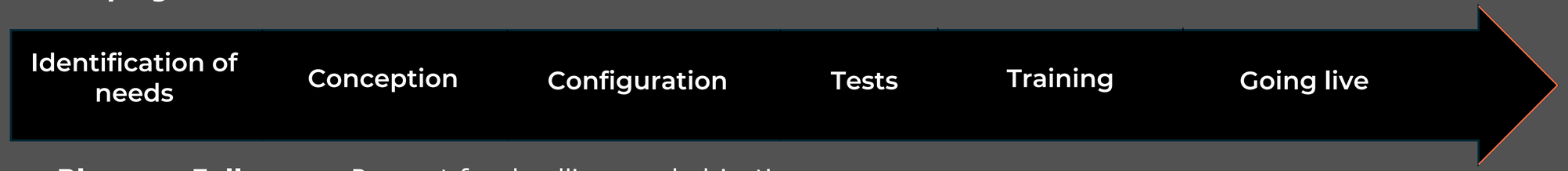
Support by Atos/Eviden:
End-to-end support for secure deployment
Risk-free transition to the new infrastructure

Sovereign cybersecurity for a secure digital future

The methodology and governance

Project Phases:

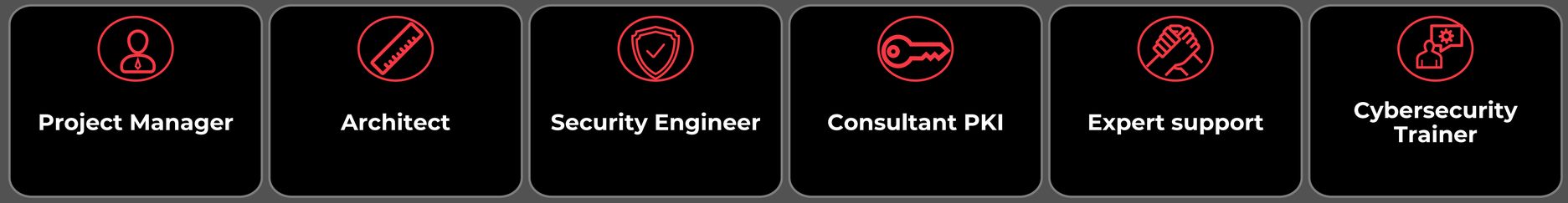
- **Scoping and Validation:**



- **Rigorous Follow-up:** Respect for deadlines and objectives

Project Team:

- **Dedicated Profiles**:



- **Agile methodology**: Iterative deliveries, adaptation to customer's needs
- **Structured Governance**

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Questions

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TAKE A MINUTE AND GIVE US FEEDBACK